ABSTRACT

[0076] The invention provides a sustained-release tablet that can release caffeine and other xanthine derived stimulants at a nearly constant rate. The tablet comprises a hydrophilic polymer of high molecular weight and in one embodiment, the tablet includes caffeine and poly(ethylene oxide) of molecular weight of about 4×10^6 to 8×10^6. Sustained delivery of caffeine and other xanthine-derived stimulants is possible with a low concentration of the polymer and moreover, a wide range of concentration of caffeine and other stimulants can be released at a nearly constant rate.